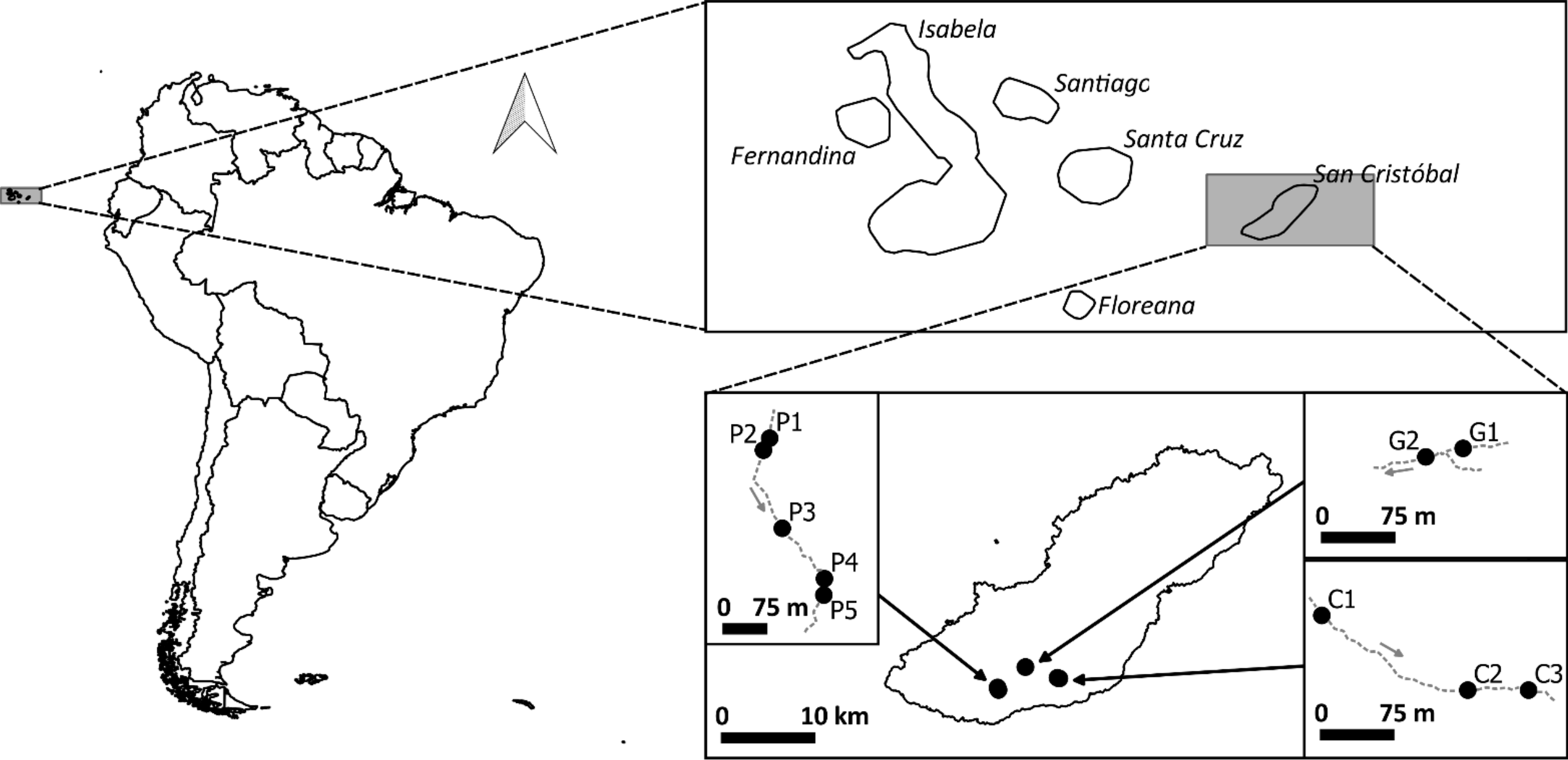


TEMPORAL CHANGE OF FRESHWATER QUALITY ON A TROPICAL ISLAND (SAN CRISTÓBAL, GALÁPAGOS)

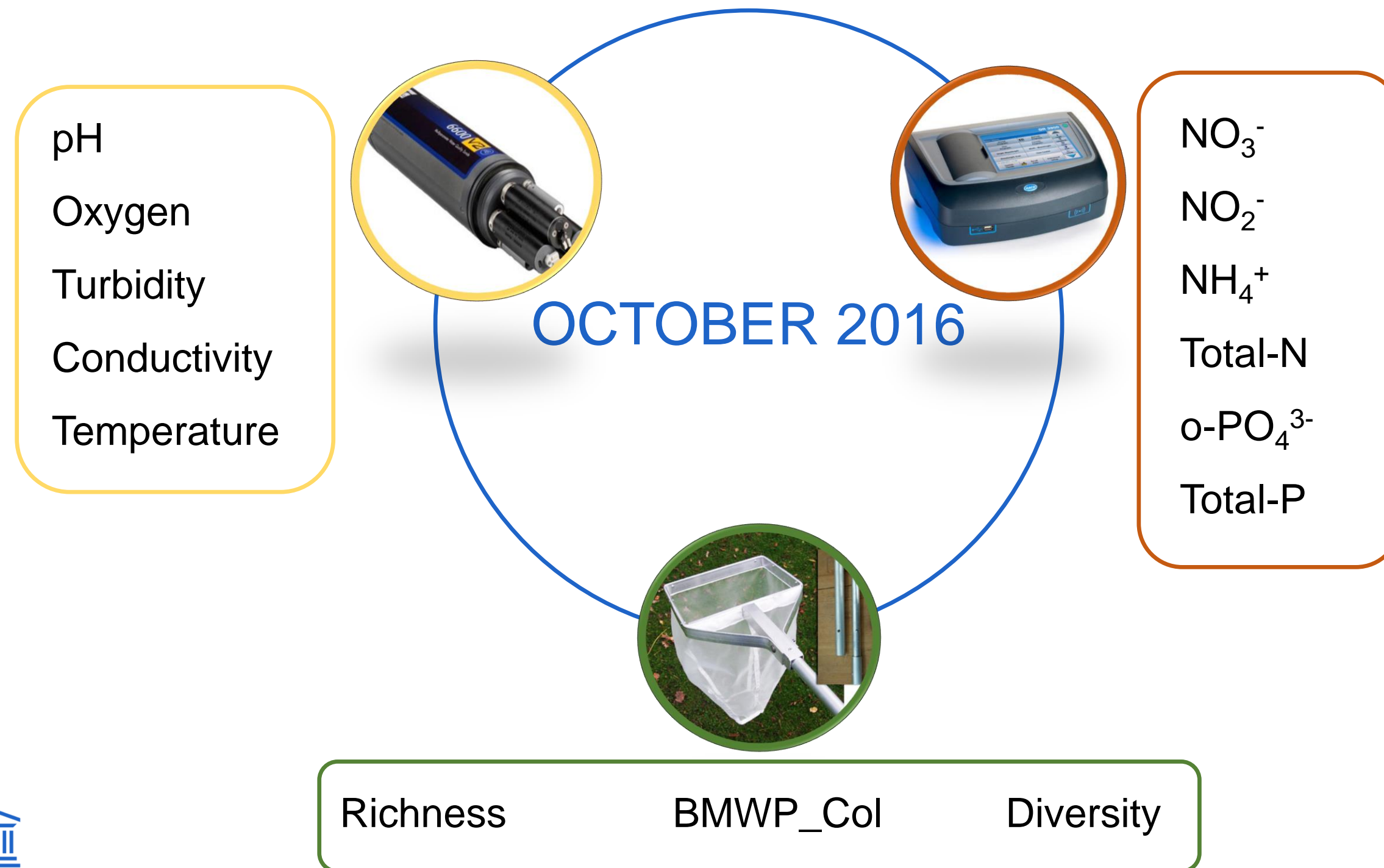
Wout Van Echelpoel, M. A. E. Forio, C. Van der Heyden, R. J. Bermúdez, L. Ho,
A. M. Rosado Moncayo, R. N. Parra Narea, L. E. Dominguez Granda, P. L. M. Goethals

25/07/2018

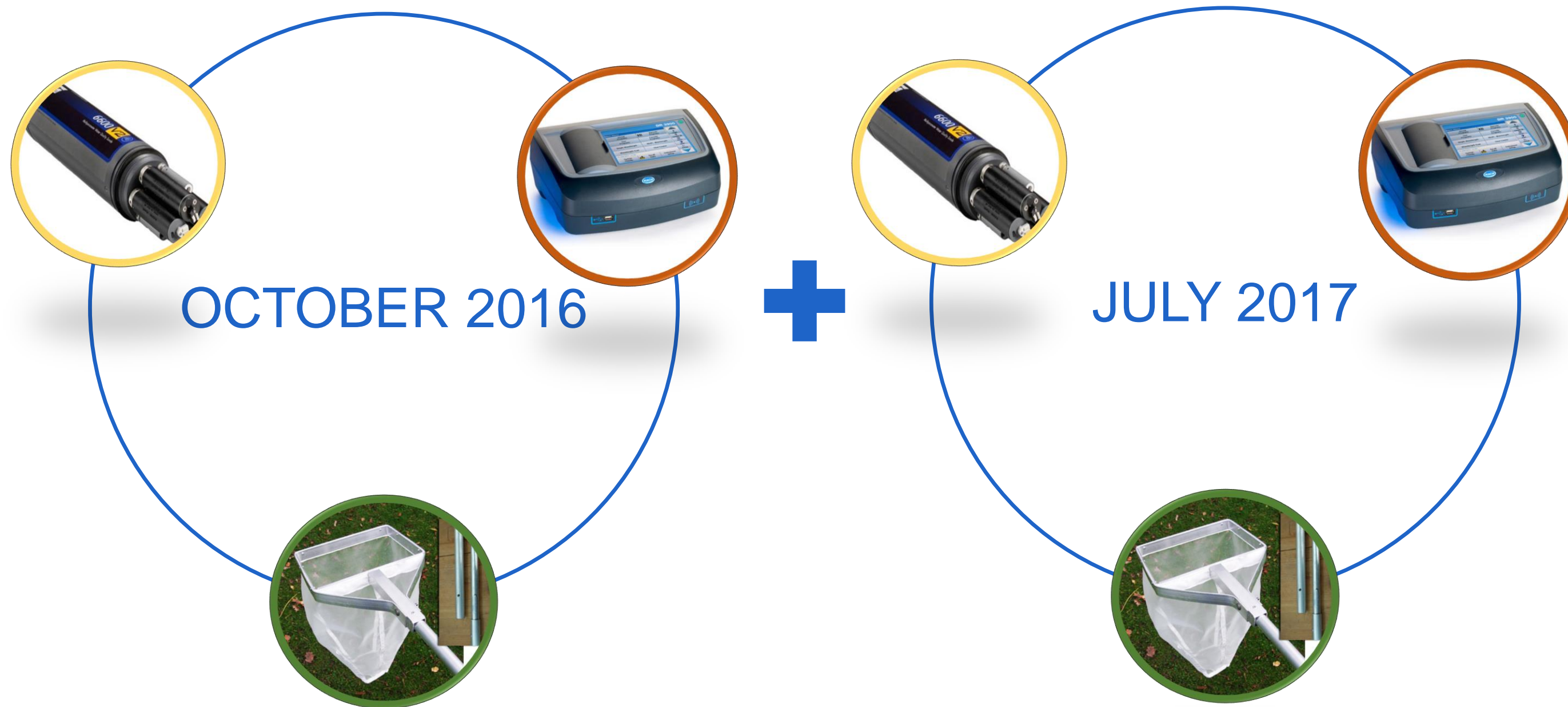
BACKGROUND



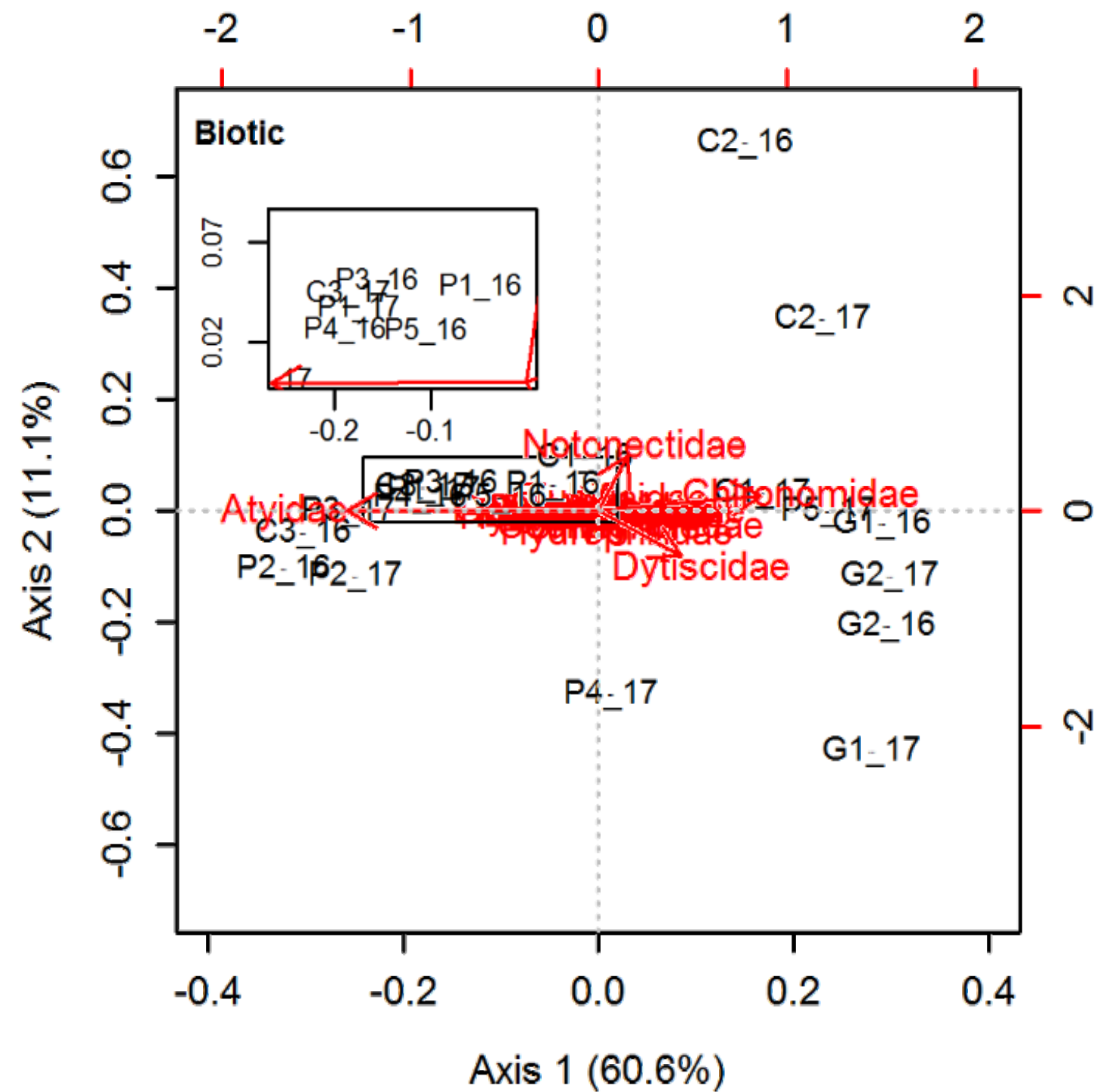
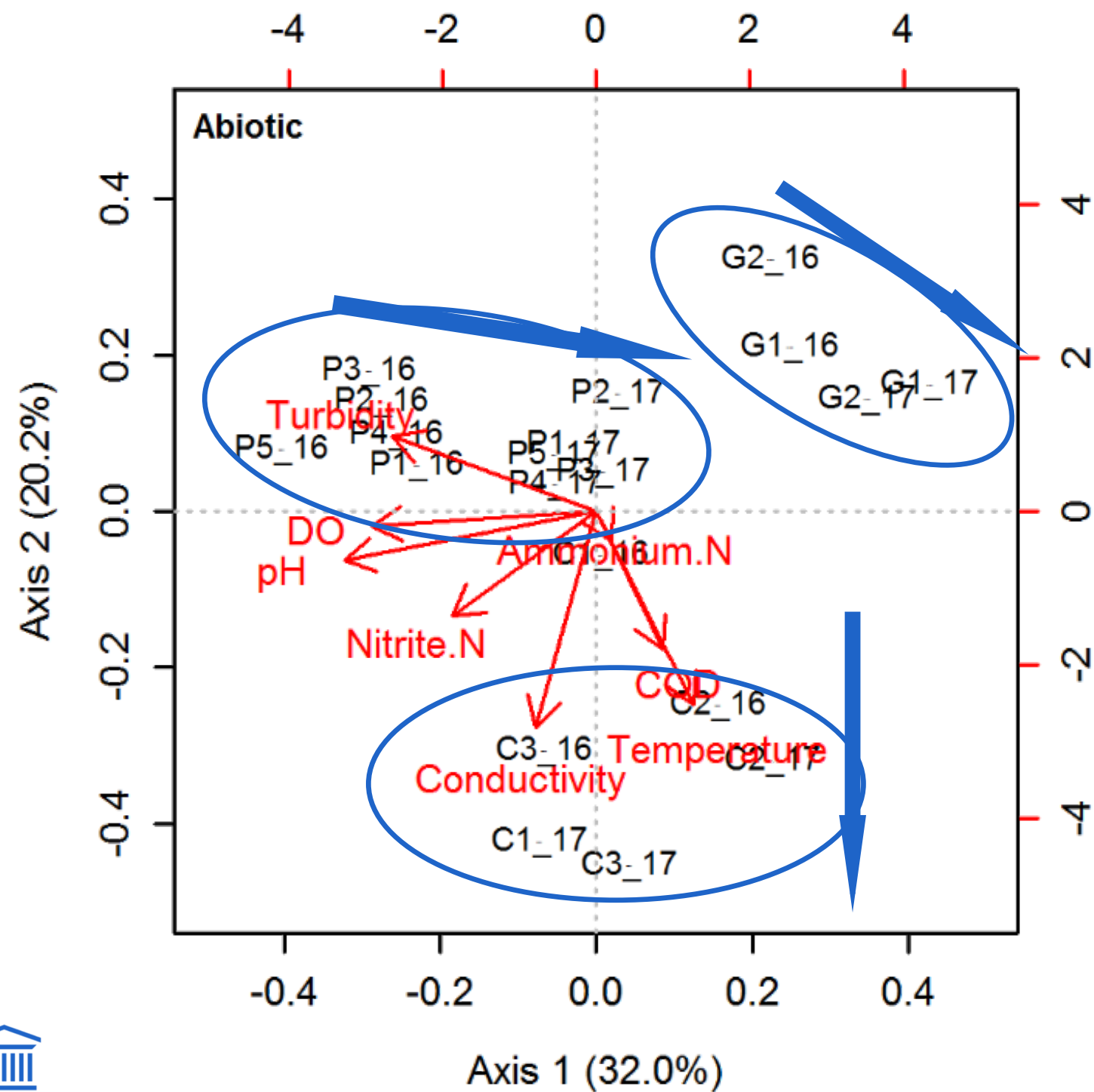
METHODS



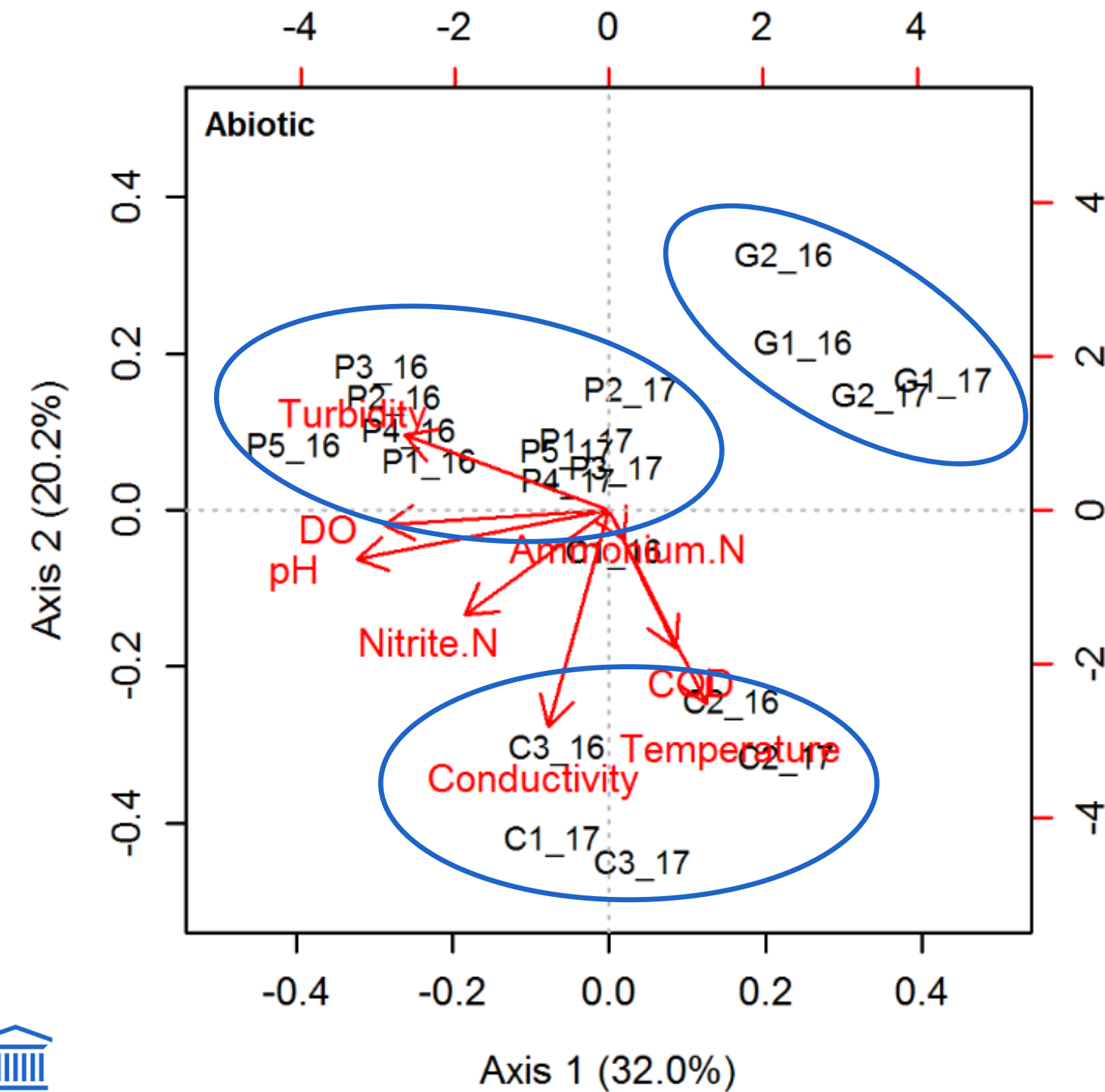
METHODS



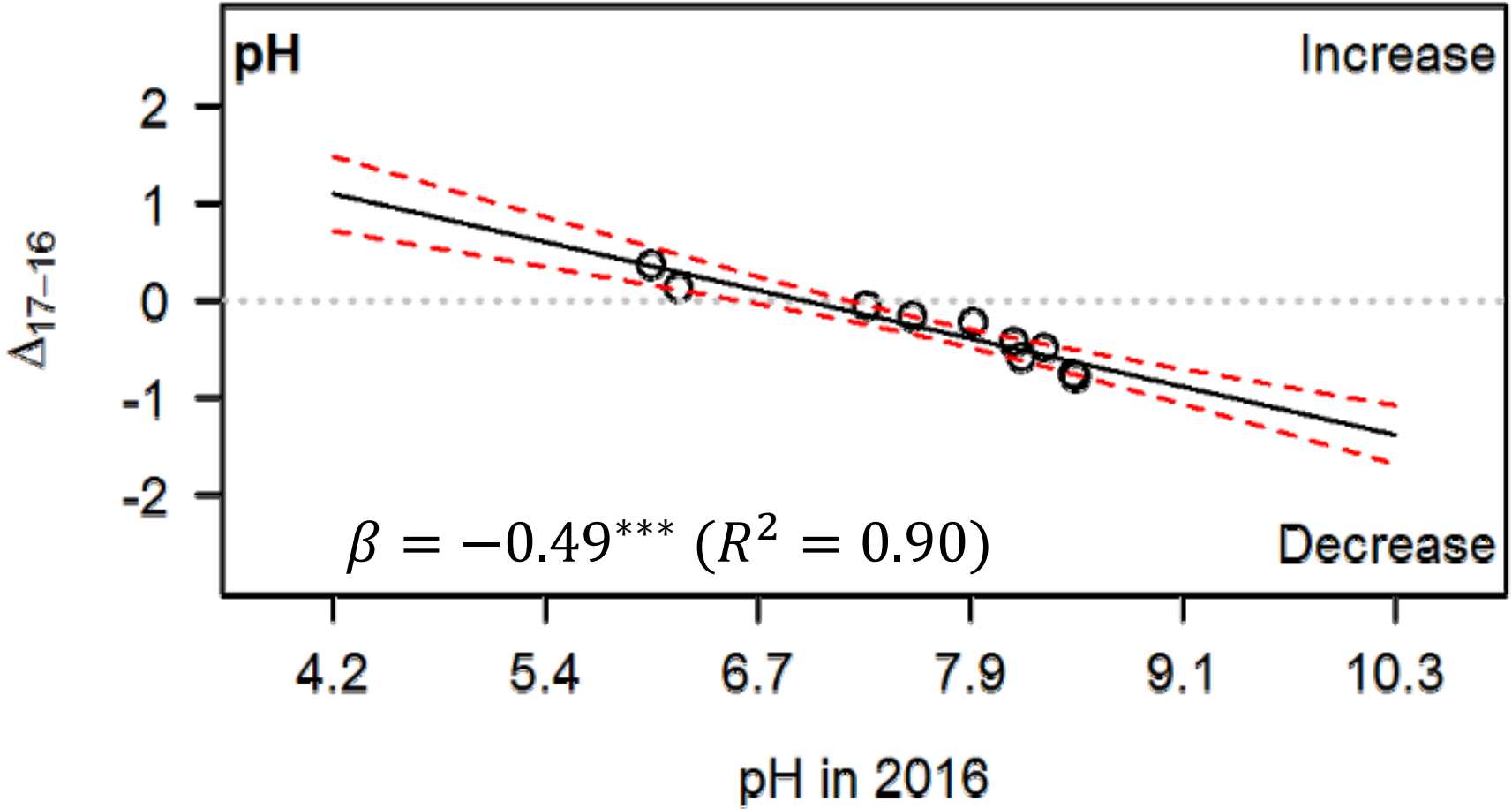
RESULTS: SPATIAL AND TEMPORAL



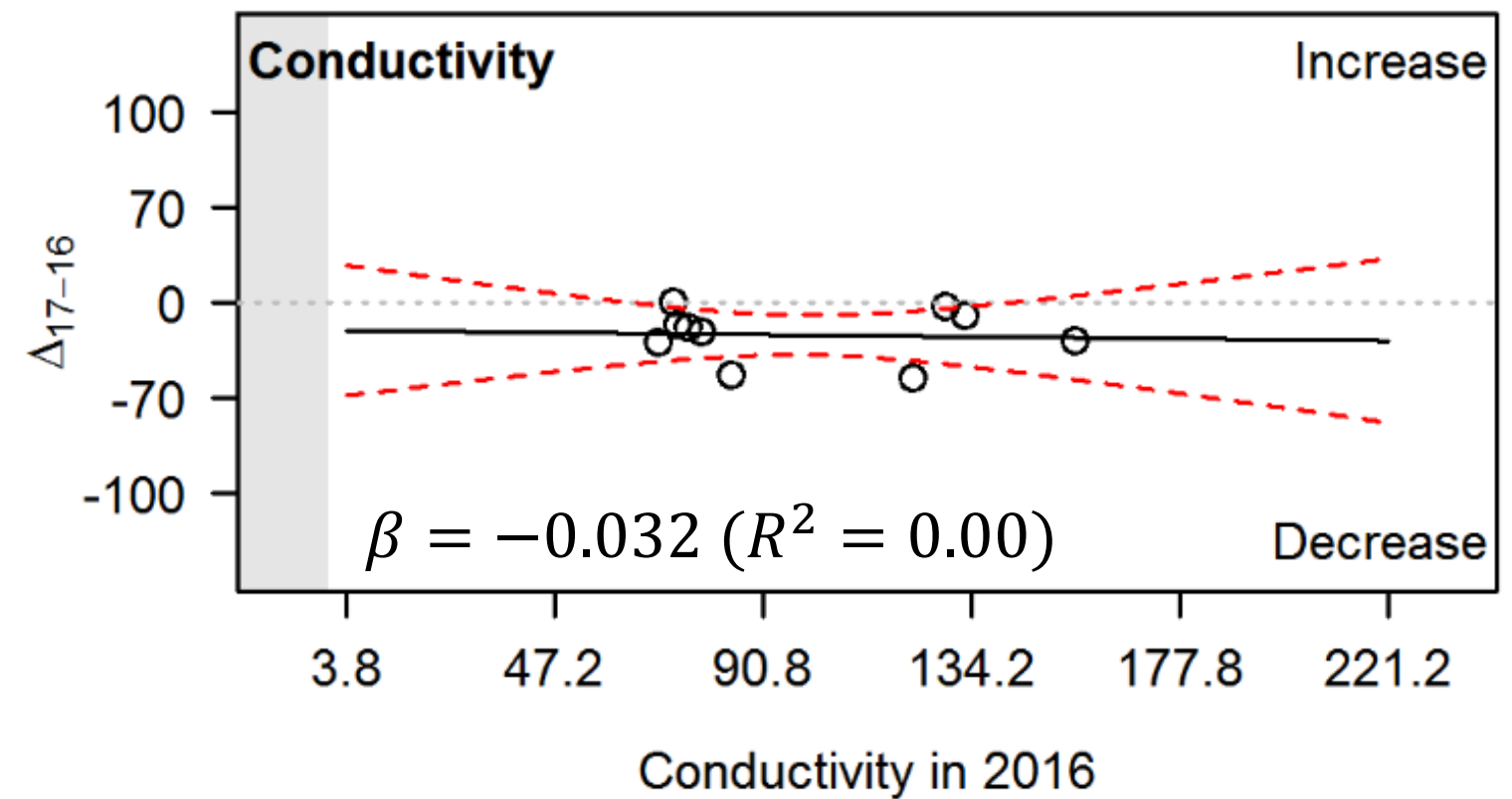
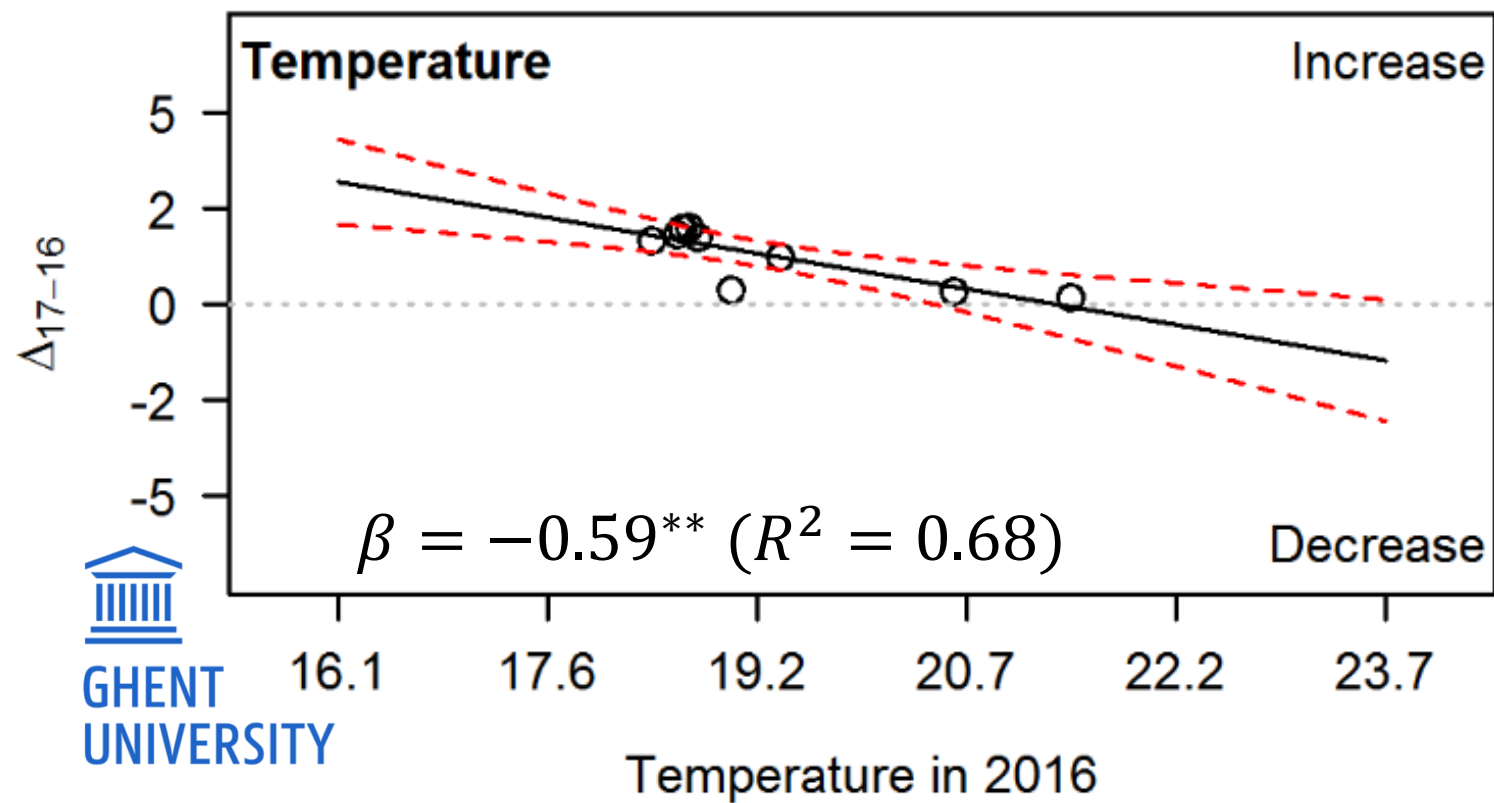
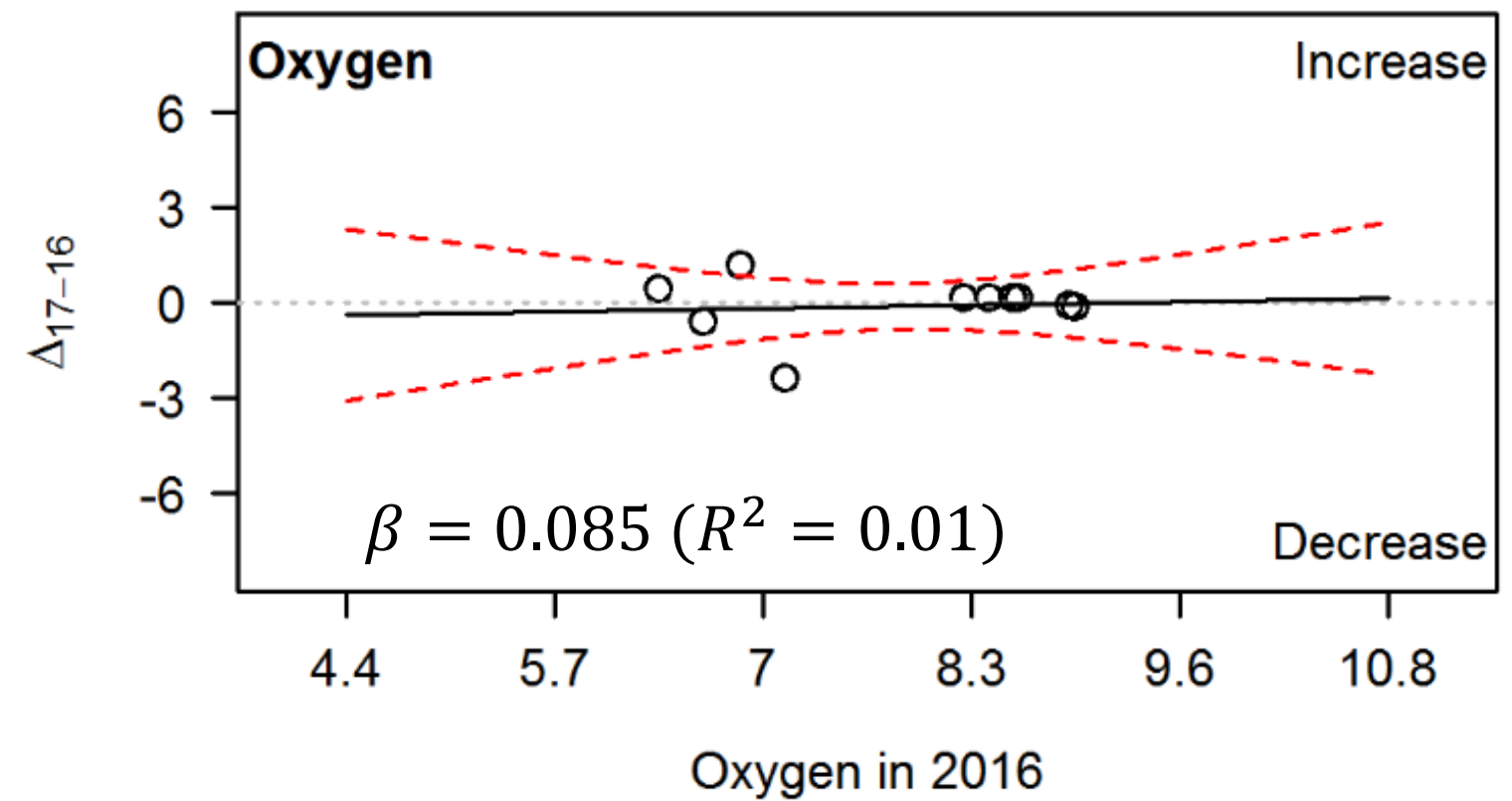
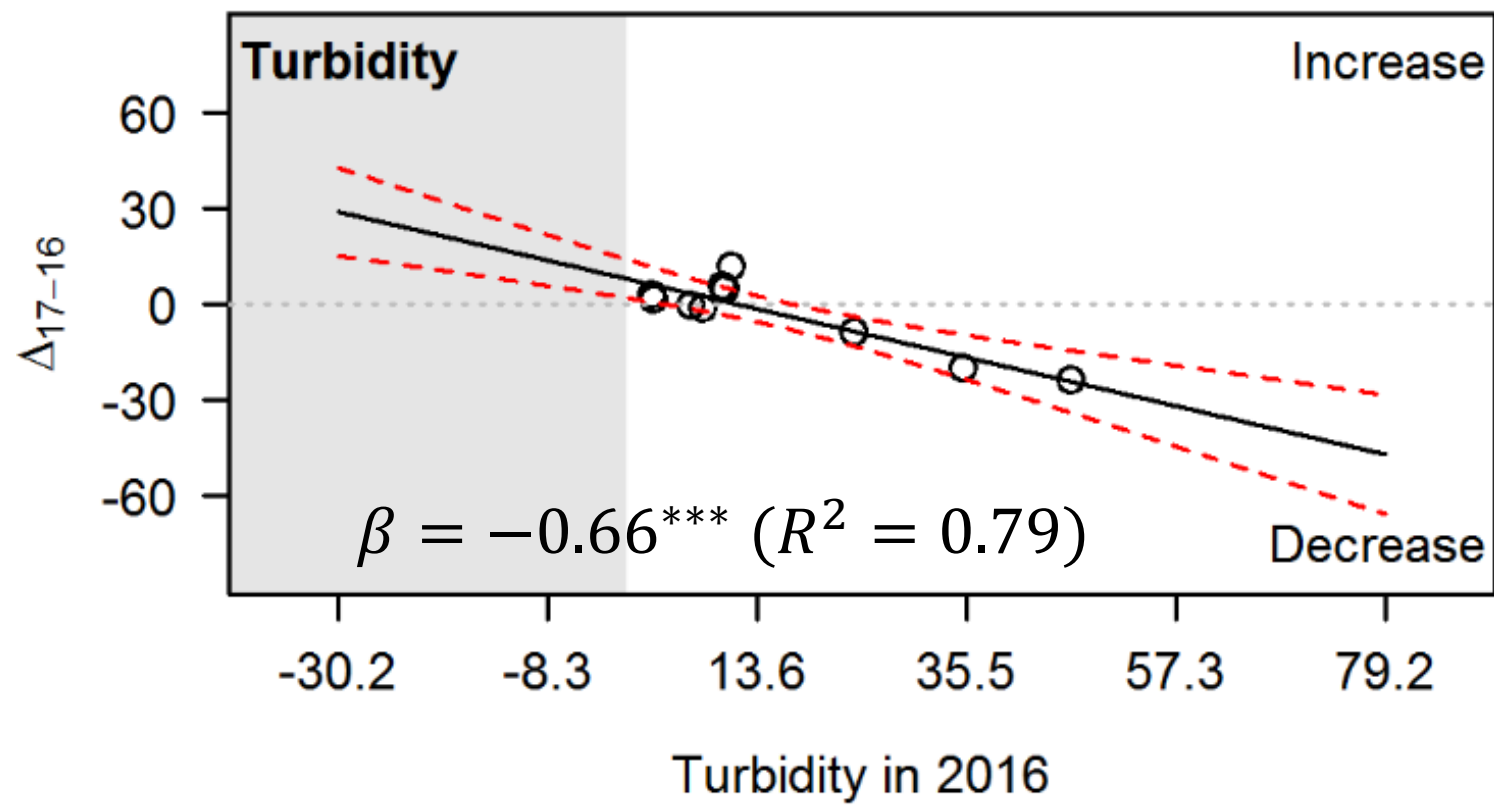
RESULTS: TEMPORAL TREND



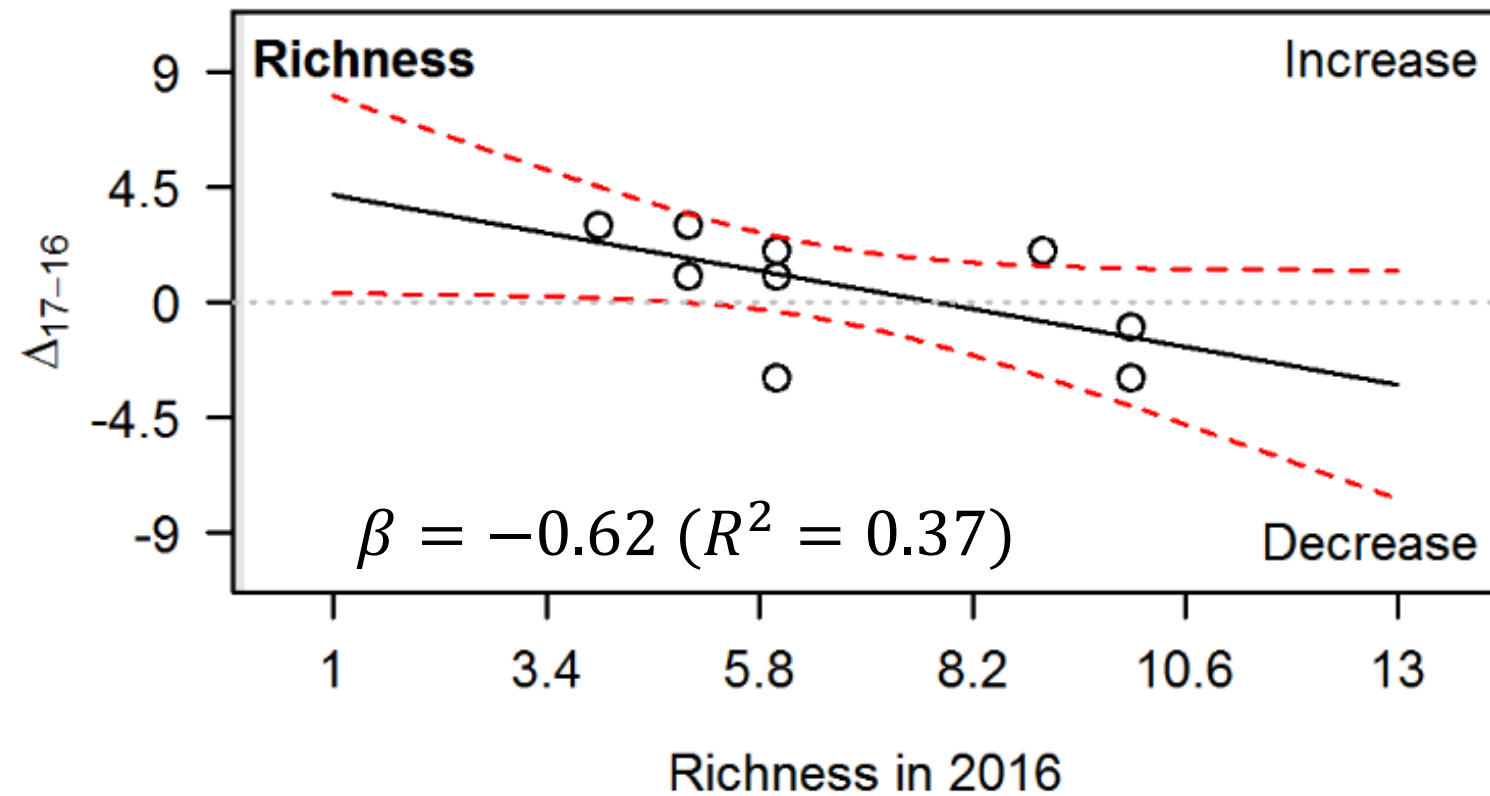
$$X_{17} - X_{16} = \Delta X_{17-16}$$



RESULTS: TEMPORAL TRENDS

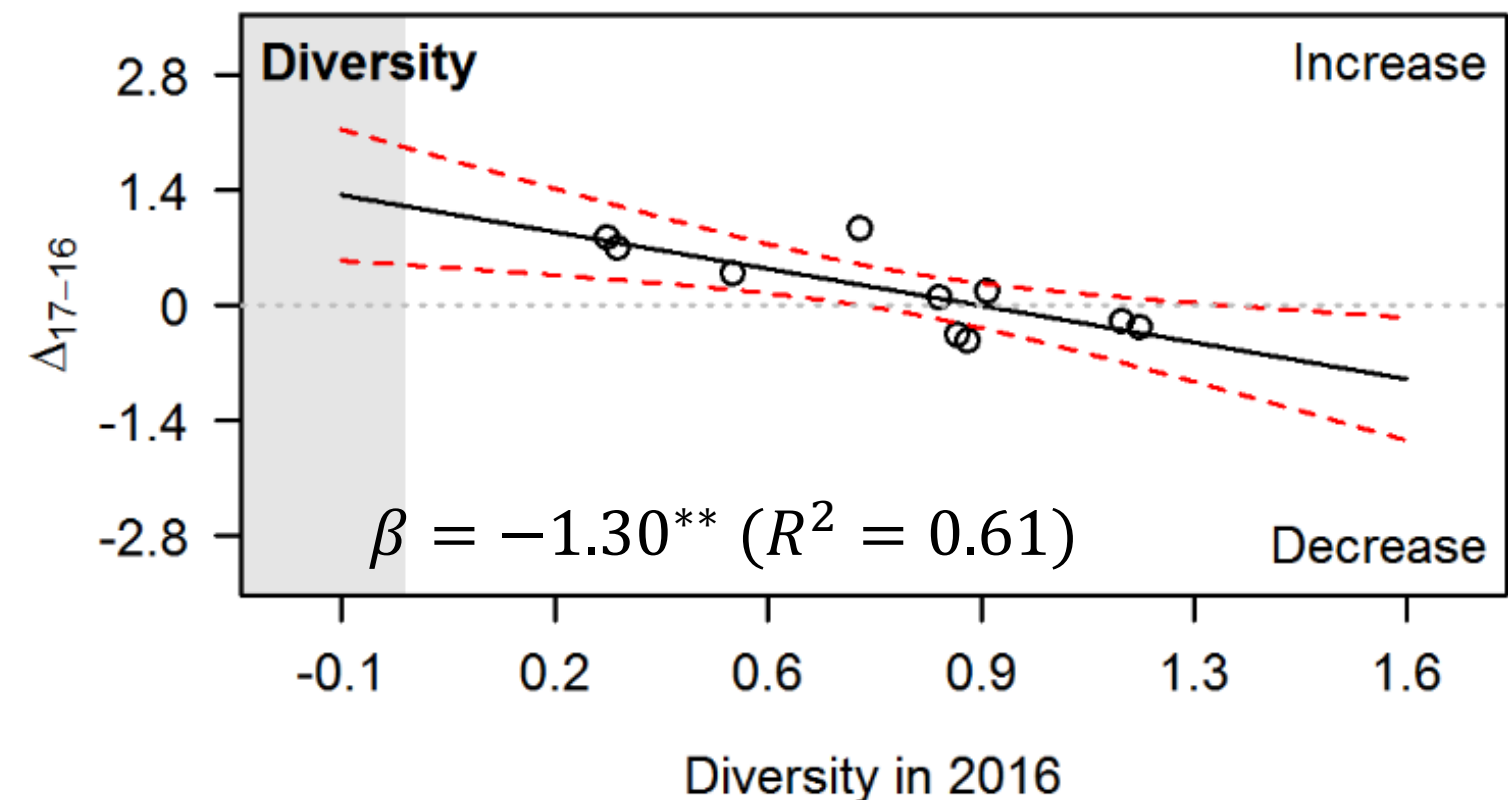
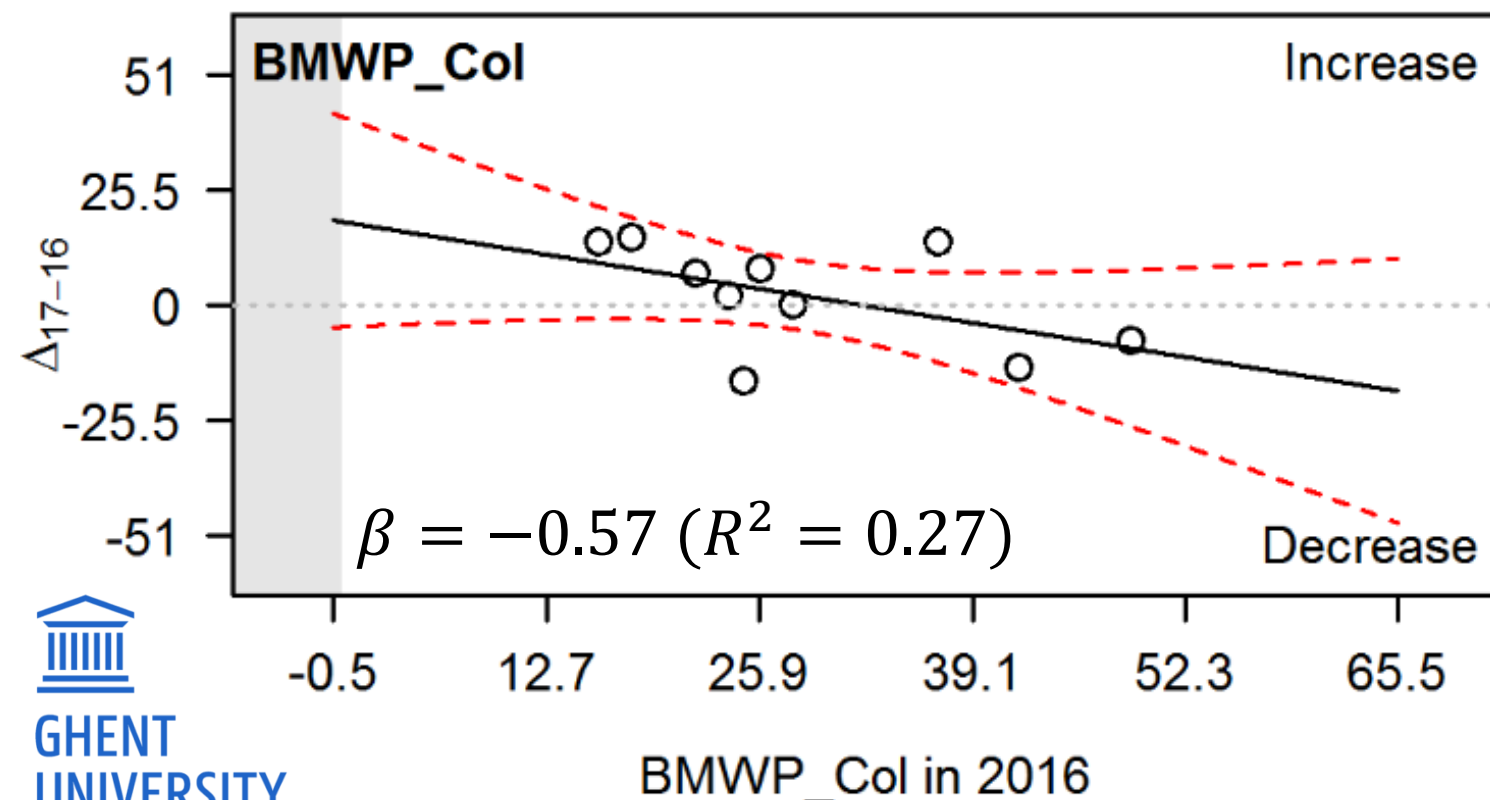


RESULTS: BIOTIC TRENDS



$$Diversity = H'$$

$$= -\sum_i p_i \cdot \ln p_i$$



CONCLUSION

- Physicochemical range is limited
- Yet, stream basins differ at abiotic level
- Converging behaviour of sampling sites
 - Abiotic
 - Biotic
- Need for freshwater management!

¡Gracias por su atención!



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